

SEQUENCE LISTING

<110> THUDIUM, Kent
SELBY, Mark

<120> CYTOMEGALOVIRUS INTRON A FRAGMENTS

<130> 2302-16095 / PP16095.002

<140>

<141>

<150> 60/240,502

<151> 2000-10-13

<160> 8

<170> PatentIn Ver. 2.0

<210> 1

<211> 838

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: full length
intron A

<400> 1

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cctatagggtg tgggttattg accattattg accactcccc tattgggtgac gatactttcc 180
attactaatc cataacatgg ctctttgccca caactatctc tattggctat atgccaatac 240
tctgtccttc agagactgac acggactctg tattttttaca ggatggggtc ccatttatta 300
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cggcggagct tccacatccg agccctggtc ccatgcctcc agcggctcat ggctcgctcg 480
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tgagttgttg tattctgata agagtcagag gtaactcccg ttgcggtgct gttaacgggtg 720
gagggcagtg tagtctgagc agtactcgtt gctgccgcgc gcgccaccag acataatagc 780
tgacagacta acagactgtt cctttccatg ggtcttttct gcagtcaccg tcgtcgac 838
```

<210> 2

<211> 100

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligo for substitution of nucleotides 52-740 of
Intron A

<400> 2
 atgcatctcg ttgctgccgc gcgcgccacc agacataatc gctgacacac tgacagactg 60
 ttccttttct tttttttttt ttgcagtcac cgtcgtcgac 100

<210> 3
 <211> 145
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Deletion
 mutant pCON3 Intron

<400> 3
 gtaagtaccg cctatagact ctataggcac acccctttgg ctcttatgca tctcgttgct 60
 gccgcgcgcg ccaccagaca taatcgctga cacactgaca gactgttctt ttcctttttt 120
 ttttttttgc gtcaccgtcg tcgac 145

<210> 4
 <211> 2170
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: major
 immediate-early gene of hCMV

<400> 4
 ctgcagtga taataaaatg tgtgtttgtc cgaaatacgc gttttgagat ttctgtcgcc 60
 gactaaattc atgtcgcgcg atagtgggtg ttatcgccga tagagatggc gatattggaa 120
 aaatcgatat ttgaaaatat ggcatattga aaatgtcgcc gatgtgagtt tctgtgtaac 180
 tgatattcgc attttttcaa aagtgatttt tgggcatacg cgatatctgg cgatacggct 240
 tatatcgttt acgggggatg gcgatagacg actttggcga cttgggggat tctgtgtgtc 300
 gcaaatatcg cagtttcgat atagggtgaca gacgatatga ggctatatcg ccgatagagg 360
 cgacatcaag ctggcacatg gccaatgcat atcgatctat acattgaatc aatattggca 420
 attagccata ttagtcattg gttatatagc ataaatcaat attggctatt ggccattgca 480
 tacgttgtat ctatatcata atatgtacat ttatattggc tcatgtccaa tatgaccgcc 540
 atgttgacat tgattattga ctagttatta atagtaatca attacggggg cattagttca 600
 tagcccatat atggagttcc gcgttacata acttacggta aatggcccgc ctcgtagaccg 660
 cccaacgacc ccgcgccatt gacgtcaata atgacgtatg ttcccatagt aacgccaata 720
 gggactttcc attgacgtca atgggtggag tatttacggt aaactgcccc cttggcagta 780
 catcaagtgt atcatatgcc aagtccggcc ccctattgac gtcaatgacg gtaaatggcc 840
 cgcttgccat tatgcccagt acatgacctt acgggacttt cctacttggc agtacatcta 900
 cgtattagtc atcgctatta ccatgggtgat gcggttttgg cagtacacca atgggcgtgg 960
 atagcgggtt gactcacggg gattttccaa tctccacccc attgacgtca atgggagttt 1020
 gttttggcac caaaatcaac gggactttcc aaaatgtcgt aataaccccg ccccgttgac 1080
 gcaaatgggc ggtaggcgtg tacggtggga ggtctatata agcagagctc gtttagtgaa 1140
 ccgtcagatc gcctggagac gccatccacg ctgttttgac ctccatagaa gacaccggga 1200
 ccgatccagc ctccgcggcc gggaacggtg cattggaacg cggattcccc gtgccaagag 1260
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 ttagcctata ggtgtgggtt attgaccatt attgaccact cccctattgg tgacgatact 1440
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 atactctgtc cttcagagac tgacacggac tctgtatttt tacaggatgg ggtcccattt 1560

Variable	Mean	SD	Min	Max
Age	34.5	10.2	22	55
Gender	0.5	0.5	0	1
Marital status	0.7	0.5	0	1
Education	12.5	1.5	10	15
Income	1500	500	1000	2500
Health status	0.8	0.4	0	1
Employment status	0.6	0.5	0	1
Life satisfaction	4.5	1.0	3	6
Depression	0.2	0.4	0	1
Stress	3.5	1.5	2	5
Resilience	4.0	1.0	3	5
Optimism	4.2	1.0	3	5
Gratitude	4.3	1.0	3	5
Forgiveness	4.4	1.0	3	5
Compassion	4.5	1.0	3	5
Kindness	4.6	1.0	3	5
Generosity	4.7	1.0	3	5
Patience	4.8	1.0	3	5
Self-control	4.9	1.0	3	5
Emotional stability	5.0	1.0	3	5
Psychological well-being	5.1	1.0	3	5
Life satisfaction (repeated)	4.5	1.0	3	6
Depression (repeated)	0.2	0.4	0	1
Stress (repeated)	3.5	1.5	2	5
Resilience (repeated)	4.0	1.0	3	5
Optimism (repeated)	4.2	1.0	3	5
Gratitude (repeated)	4.3	1.0	3	5
Forgiveness (repeated)	4.4	1.0	3	5
Compassion (repeated)	4.5	1.0	3	5
Kindness (repeated)	4.6	1.0	3	5
Generosity (repeated)	4.7	1.0	3	5
Patience (repeated)	4.8	1.0	3	5
Self-control (repeated)	4.9	1.0	3	5
Emotional stability (repeated)	5.0	1.0	3	5
Psychological well-being (repeated)	5.1	1.0	3	5

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<220>
<223> Description of Artificial Sequence:  wild type
      rabbit beta-globin
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<210> 6
<211> 127
<212> DNA
<213> Artificial Sequence
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<400> 6
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agagtagtcg cctgcttttc tgccagggtac taacttctct cccctctcct cttttctttt 120
tctgcag                                     127
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<220>
<223> Description of Artificial Sequence: primer
KBT-162

$$\begin{array}{ll} \langle 210 \rangle & 8 \\ \langle 211 \rangle & 20 \end{array}$$

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer
KBT-163

<400> 8

gttgagcaat tcacgttcat

20

0997066-101201
T02T0T"630/2660